

AMENDMENTS TO THE CLAIMS

Listing of Claims

1. (Currently amended) A powertrain for a motor vehicle, said power train comprising a combustion engine with a driving shaft turning at a first rpm rate, at least one torque-coupling device, a transmission with a transmission input shaft, and ~~at least one~~ an electro-mechanical energy converter with a stator and with a rotor and an energy-converter shaft turning at a second rpm rate, said electro-mechanical energy converter being operable ~~at least~~ as a motor and as a generator and having an interactive rotary connection to the driving shaft; ~~wherein the interactive rotary connection has at least two rpm ratios defined as quotients of the first rpm rate divided by the second rpm rate, and wherein the at least two rpm ratios automatically set themselves according to which of at least two operating modes the electro-mechanical energy converter is working in, said at least two operating modes comprising a start-up mode and a driving mode; wherein~~ the electromechanical energy converter is operable in under a first mode in which of the ~~at least two operating modes~~ the torque flows from the electro-mechanical energy converter to the combustion engine, and ~~under a second mode in which~~ of the ~~at least two operating modes~~ the torque flows from the combustion engine to the electro-mechanical energy converter; wherein the interactive rotary connection automatically sets itself to one of at least two rpm ratios depending on whether the electro-mechanical energy converter is working in the first or second mode, said rpm ratios being defined as quotients of the first rpm rate divided by the second rpm rate; wherein the interactive rotary connection comprises at least one rotary transfer device arranged between the electro-mechanical energy converter and the combustion engine; and wherein the at least one rotary transfer device comprises a planetary gear mechanism with at least one ring gear, at least one sun gear, and at least one planet carrier with at least one planet gear.

2. (Original) The power train of claim 1, wherein the driving shaft has a front end facing away from the transmission and the interactive rotary connection is arranged at said front end.

